Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Friday 17 Feb 2023 until 23:59 on Saturday 18 Feb 2023

Forecast Issued on Thursday 16 Feb 2023 at 13:45

Confidence: Medium for the pattern, low for the detail of cloud

Headline for Friday 17 Feb 2023: Mainly dry and occasionally bright. Gale force summit winds easing later.

Mountain weather hazards on Friday 17 Feb 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Light rain	Light rain	Sunny intervals	Sunny intervals	Sunny intervals	Cloudy	Light rain
Precipitation probability							
80%	60%	70%	20%	<05%	<05%	10%	80%

Forecast for Friday 17 Feb 2023

Weather: Overcast for much of the night with occasional rain or drizzle. This clears south towards dawn to leave a largely dry day with occasional bright and sunny spells developing. Cloud building from the west during the evening with light to moderate rain extending to all before midnight.

Chance of cloud-free hill tops above 600m: 60% at dawn becoming 90% during morning, lowering in evening.

Low cloud and visibility: Good or very good becoming moderate or poor in rain and drizzle, very poor within cloud with bases extensive for much of the night down to 500m, infrequently so through the day.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Forecast for Friday 17 Feb 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	25/33 SW	30/40 SW	38/52 W	40/57 W	38/54 W	28/40 W	16/22 W	13/18 SW	22/32 SW
300	19/28 SW	23/34 SW	26/39 SW	29/44 W	32/48 W	21/33 W	11/17 W	8/13 SW	18/29 SW
Valley	12/26 SW	16/34 SW	17/36 SW	19/41 W	23/45 W	16/32 W	7/16 W	4/12 S	12/26 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/2	7/2	7/1	7/1	6/-0	5/-1	4/-0	4/0	6/2
300	9/5	9/5	9/4	10/5	9/4	8/4	7/4	7/4	8/5
Valley	9/6	10/6	9/6	10/7	10/6	9/5	8/6	7/5	8/6
Freezing Level*	2400m	2500m	2400m	1700m	1300m	1100m	1200m	2000m	2000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Chance limited severe winds chill at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Thu 16 Feb 2023	4.8mm	4.8mm	5mm

Forecast for Saturday 18 Feb 2023

Weather: Mainly dry during the morning with some brighter spells. Turning rather cloudy with occasional rain from mid-day.

Maximum wind: West mean 30 mph at first, with gusts reaching 45 mph across most exposed ridges and summits, gradually easing through the day.

Chance of cloud-free hill tops above 600m: 60-70% during morning then 20% from mid-day.

Low cloud and visibility: Good becoming moderate or poor in rain, very poor within cloud with bases turning quite extensive down to 500m from mid-day.

Temperature: **Valleys:** Plus 2 Celsius lifting 11 Celsius during the afternoon
At 600m: Plus 5 Celsius
Freezing level: Above summits

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